



City of Fort Wayne, Indiana

Graham Richard - Mayor



Fort Wayne, IN

Greening of City Fleet

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City of Fort Wayne, Indiana

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- Population 250,000
- Located in northern Indiana
- City of three rivers
- 1,200 linear miles of streets
- 3,000 + lane miles
- 92 square miles



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- **City of Fort Wayne Fleet Profile**
- **Vehicles -FVS contracted vehicles** **1309**
 - **Parks Department** **600**
 - **Fire Department** **105**
- **Total Fleet** **2014**
- **Technicians** **15**
- **Technician Certifications** **190 total**
- **Annual Gallons Gas/Diesel** **840,000 total**
 - **Gas** **600,000**
 - **Diesel** **240,000**
- **Heavy Equipment** **108**
- **Operating Budget** **\$4,782,906**
- **Veh. Replacement Budget 2005** **\$2,900,000**
 - **2005 – seven new Fire Trucks** **\$1,715,000**



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- Mayor announced Clean Cities in 2005
- Focus energy use and air pollution
- Fort Wayne is participating with:
 - DOE Clean Cities
 - US Mayors Climate Protection resolution
 - ICLEI's Cities for Climate Protection campaign
- Mayor has created a citizen Green Ribbon commission – high level policy focus



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- Current Fleet Management status
 - Idle reduction program
 - Hybrids
 - All City diesels are using B20
 - Process reviews to reduce vehicles trips
 - Flex fuel vehicles
 - Retail E85 pump partnership with Lassus



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- Idle Reduction Program
 - Installed idle reduction software on 277 trucks
 - Vehicles turned off after 10 minutes
 - Estimated savings if 1 hour per day saved
 - \$72,000 per year – minimum (1 gal per hour of idling)



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■ Hybrids

- 7 GM pickups, 7 Ford Escapes
- 7 Year life cycle
- When purchased; estimated a five year pay back with an average \$1.45/gallon
 - Pay back has decreased to 4 years
- Driver training critical to achieve fuel savings
 - stops and starts, climate control



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- B20 – ASTM D 6751
 - Use premium diesel for mileage increase
 - All city diesel equipment using >340
 - Savings to date: over \$217,000
 - Joint purchasing agreement
 - Citilink and Ft. Wayne public school buses



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■ B-20 Change over

Initial steps

- Cleaned storage tanks
- Fuel filter changes at 100 hours
- Filters at dispensing pumps changed first week



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- On going continuing process reviews as part of Ft. Wayne's Six Sigma and Lean implementation
 - Most recently changed process for field location of traffic and street lights
 - Now one trip cutting in half trips needed



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■ Flex Fuel vehicles

- Currently have 16 vehicles that can use E85
- Reported more power and faster acceleration
- Decrease in gas mileage up to 3 miles per gallon



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- City committed to using – today E85 is more costly
 - Would like to use in police sedans
- E85 retail outlet
- Lassus Brothers at Wallen/Coldwater
- Again once E85 becomes more competitive, more pumps should be available



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- Other city initiatives
 - Converted traffic lights to LED
 - 5,800
 - Reduce energy use by 60%
 - Modified asphalt plant – 50% savings
 - Public Safety Academy – green building principles
 - Joint City-County Planning
 - Master Plan for Greenways